

AMSAT News Service Weekly Bulletins

Issue: ANS-139

Date: 2019-05-19

Sources: amsat-ans-2019-ans-139-weekly-hyperkitty-6f8fbe3b4f.txt

AMSAT NEWS SERVICE

ANS-139

The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in Space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on <http://www.amsat.org> publishes news of Amateur Radio in Space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to:
ans-editor at amsat.org.

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SB SAT @ AMSAT \$ANS-139.01

ANS-139 AMSAT News Service Weekly Bulletins

AMSAT News Service Bulletin 139.01

>From AMSAT HQ KENSINGTON, MD.

May 19, 2019

To All RADIO AMATEURS

BID: \$ANS-139.01

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AMSAT relies on your donations to Keep Amateur Radio in Space
Please consider a one-time or recurring donation today at
<https://www.amsat.org/donate/>

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AMSAT Forum at Hamvention Well Attended

The AMSAT Forum at the 2019 Dayton Hamvention was held on Saturday, May 18 with a large crowd in attendance. Robert Bankston, AMSAT VP User Services moderated the forum which included these speakers:

+ AMSAT Status Report

Joseph Spier, K6WA0, AMSAT President, highlighted recent activities within AMSAT and discussed some of our challenges, accomplishments, projects.

+ AMSAT Engineering Program

Jerry Buxton, N0JY, AMSAT Vice President for Engineering, talked about the Fox-1 and Golf (Greater Orbit Larger Footprint) Projects.

+ AMSAT Education – Alan Johnston, KU2Y, AMSAT Vice President – Educational Relations introduced the AMSAT CubeSat Simulator which featured a live demonstration.

+ AMSAT User Services – Robert Bankston, KE4AL, AMSAT Vice President User Services, discussed AMSAT's 50 th Anniversary Operating Event and the new AMSAT Ambassadors Program.

[ANS thanks AMSAT for the above information]

ARISS at Hamvention Shares Excitement of Space Exploration and Amateur Radio

ARISS featured a display at their booth, shared with AMSAT, of the next generation hardware systems in development now. The display showed ways to discover how to maximize your opportunities to make ARISS connections and to hear the ISS crew directly from your ham shack.

ARISS was excited to talk about their visionary initiative to fly ham radio on the human spaceflight lunar Gateway with NASA. The ARISS team presented an overview and status of the program and then conducted a panel with ARISS experts in operations, education, hardware, experimentation and exploration.

[ANS thanks ARISS for the above information]

ANS Asks For Stories About Your Hamvention-AMSAT Experience

The Editors of the AMSAT News Service are interested in hearing your testimonials about your AMSAT experience during this years Hamvention. Please forward comments to ans-editor (at) amsat.org.

We hope to use these as shorts in future ANS News Bulletins to stimulate interest and promote Keeping Amateur Radio in Space. Comments will also be shared with Editors of the AMSAT Journal.

Tell us about new friends, old friends, new ideas, new techniques, inspirational epiphanies, or anything else that that got you excited about operating or becoming more involved in our great hobby.

Again, please submit your stories to ans-editor (at) amsat.org.

[ANS thanks ANS Editors for the above information]

July 20, 2019 marks the 50th anniversary of Apollo 11, the first time humans walked on the Moon. Coming this summer, NASA Explorers: Apollo is a commemorative audio series that examines the Moon's cultural and scientific influence over the last half century, while also peering into the future of planetary exploration. Listeners will meet a Moon detective, tour a lab for space rocks and hear from scientists whose lives and work have been shaped by the Apollo program.

You'll find help for interview topics, recording instructions, and how to submit your entry posted at:
<https://www.nasa.gov/apollostories>

2019 marks AMSAT's 50th Anniversary
of Keeping Amateur Radio in Space.
To help celebrate, we are sponsoring the
AMSAT 50th Anniversary Awards Program.
Full details are available at
<https://www.amsat.org/amsat-50th-anniversary-awards-program/>

ESA Education, in collaboration with the Raspberry Pi Foundation, announced that 4702 teams of students from 24 European countries successfully entered the Astro Pi 2018-2019 Mission Zero challenge and had their programs run on the International Space Station for 30 seconds each.

[ANS thanks the ESA for the above information.]

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For more information and to DONATE TODAY visit:

https://fundrazr.com/arissnextgen?ref=ab_e7Htwa_ab_47IcJ9

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How to Support AMSAT

AMSAT relies on the support of our members and the amateur radio community to Keep Amateur Radio in Space.

How can you help?

* Join AMSAT

Both you and AMSAT will benefit when you join. You get the AMSAT Journal bimonthly and support from AMSAT Ambassadors. Member dues and donations provide AMSAT's primary support.

Join today at

<https://www.amsat.org/product-category/amsat-membership/>

* Become a Life Member

Becoming a Life Member has never been easier. Now you can become a Life Member with 12 monthly payments of \$74 through our online store.

See <https://www.amsat.org/product/lifetime-membership/> for details.

* Donate to AMSAT

Make a one time or recurring donation to AMSAT today. Even as little as one dollar a month can make a difference!

Donate today at <https://www.amsat.org/donate/>

* Purchase AMSAT gear on our Zazzle storefront.

AMSAT receives 25% of the price of each sale on AMSAT logo merchandise from our Zazzle storefront located at

https://www.zazzle.com/amsat_gear

* Volunteer for AMSAT

AMSAT relies on volunteers for nearly all of our activities. If you have an idea for how to help, please let us know, Details on volunteering can be found at

<https://www.amsat.org/volunteer-for-amsat/>

[ANS thanks the AMSAT office for the above information.]

Upcoming Satellite Operations

See

<https://www.amsat.org/satellite-info/upcoming-satellite-operations/>

[ANS thanks Robert KE4AL for the above information]

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Purchase AMSAT Gear on our Zazzle storefront.

25% of the purchase price of each product goes
towards Keeping Amateur Radio in Space
https://www.zazzle.com/amsat_gear

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ARISS News

Successful Contacts

+ 2019-05-17 08:51 UTC between Nick Hague KG5TMV using ISS
callsign NA1SS and Aranzadi Ikastola, Bergara, Spain Contact was
telebridg via VK6MJ. ARISS Mentor was Marcelo IK0US0.

Upcoming ARISS Contact Schedule

Curtin Primary School, Canberra, Australia, telebridge via K6DUE
The ISS callsign is presently scheduled to be NA1SS
The scheduled astronaut is Nick Hague KG5TMV
Contact is go for: Mon 2019-05-20 08:39:42 UTC 27 deg

Ufa, Russia, direct via TBD
The ISS callsign is presently scheduled to be RS0ISS
The scheduled astronaut is Oleg Kononenko
Contact is go for: Sun 2019-05-26 15:55 UTC

[ANS thanks ARISS, Charlie AJ9N and David AA4KN for the above
information]

Shorts From All Over

+ AMSAT Journal Call for Photos

Joe Kornowski, KB6IGK, AMSAT Journal Editor sends a call for photos
from the folks attending Hamvention 2019. Please send your photos
(JPG format, as high resolution as feasible) to Joe at
kb6igk at amsat.org

[ANS thanks Joe KB6IGK for the above information]

+ NASA offers Open Source software resources at:
<https://code.nasa.gov/> : Lists 532 NASA open source projects
<https://software.nasa.gov/software/NP0-47703-1> : A general purpose
dynamics library that can be used for the modeling of robotic plat-
forms, space vehicles, molecular dynamics and such applications.
<http://gmatcentral.org/> : The General Mission Analysis Tool, a NASA-
created Open Source version of Analytical Graphic Inc's (AGI) Sat-
ellite Tool Kit (STK)

[ANS thanks NASA for the above information.]

+ AMSAT is selling brand new and special 50th Anniversary apparel!

A golf shirt as well as a T-shirt were available at Hamvention
and will be available, online, at the AMSAT store after everyone
returns home from Hamvention. The shirts are black and include
the AMSAT 50 Amateur Radio in Space logo, in gold!

<https://www.amsat.org/shop/>

[ANS thanks AMSAT for the above information]

+ Here is an interesting article on how to watch the ISS all night long, as opposed to just at dusk and dawn:
<https://tinyurl.com/ANS-139-WatchISSch>

[ANS thanks Sky and Telescope via Charlie AJ9N for the above information.]

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In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

Primary and secondary school students are eligible for membership at one-half the standard yearly rate. Post-secondary school students enrolled in at least half time status shall be eligible for the student rate for a maximum of 6 post-secondary years in this status. Contact Martha at the AMSAT Office for additional student membership information.

73,
This week's ANS Editor,
EMike McCardel, AA8EM
aa8em at amsat dot org